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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/623,857	07/22/2003	Jun Koyama	740756-2633	6363

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401 9TH STREET, NW
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EXAMINER

SHAPIRO, LEONID

ART UNIT	PAPER NUMBER
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2629

MAIL DATE	DELIVERY MODE
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06/22/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

**Advisory Action
Before the Filing of an Appeal Brief**

Application No.

10/623,857

Applicant(s)

KOYAMA ET AL.

Examiner

Leonid Shapiro

Art Unit

2629

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 15 June 2007 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.
b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. ☐ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because
(a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);
(b) ☐ They raise the issue of new matter (see NOTE below);
(c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
(d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. ☐ Applicant's reply has overcome the following rejection(s): _____.
6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☐ For purposes of appeal, the proposed amendment(s): a) ☐ will not be entered, or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.
The status of the claim(s) is (or will be) as follows:
Claim(s) allowed: _____.
Claim(s) objected to: _____.
Claim(s) rejected: _____.
Claim(s) withdrawn from consideration: _____.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:
See Continuation Sheet.
12. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). _____.
13. ☐ Other: _____.


RICHARD HJERPE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

Continuation of 11. does NOT place the application in condition for allowance because:

On page 2, last paragraph of Remarks, Applicant's stated that Applicants submit that Sundahl et al. fails to disclose, teach or suggest an arithmetic operation unit, a count unit, and a correction unit in the manner recited in independent claims 1, 7, 13 and 17, as amended. Specifically, with the invention recited in independent claims 1, 7, 13 and 17, as amended, the arithmetic operation unit, the count unit, and the correction unit, calculate a lighting period, count a cumulated lighting period, and correct a video signal. However, Sundahl teaches a display device comprising a display panel which is equipped with pixels including a light-emitting element ([0017], lines 1-2; light-emitting element: OLED emitters), an aging characteristic of the light-emitting element are stored (See figure 3; [0023]; note that since the ratios of figure 3 are used to estimate the effective age of the device then aging characteristics of the light-emitting element must be stored; [0031], lines 5-7), an arithmetic operation unit ([0022], lines 4-12; note that the arithmetic operation unit is equivalent to the circuit used to measure current or voltage to maintain a desired level of luminance through reverse bias resistance; note the lighting period of a pixel is the time required to maintain the desired level of luminance, thus the arithmetic operation unit calculates a lighting period of each pixel) which calculates a lighting period of each pixel, a count unit ([0027], note that the arithmetic operation unit also functions as a count unit, where the characteristic is measured continuously; note that the continuous measurement of the characteristic is equivalent to obtaining a cumulated lighting period; [0023], note that the measurement is used to identify a place on the curve of figure 3) which counts the lighting period to obtain a cumulated lighting period of each pixel using an output of the arithmetic operation unit, and a correction unit (See figure 4, the correction unit is equivalent to elements 420 and 430; [0032], lines 1-4; [0046], lines 16-24) which corrects the video signal to be inputted to each pixel using the aging characteristic and the cumulated lighting period and supplies the corrected video signal to the display panel.

On page 3, 2nd paragraph of Remarks, Applicant's stated that digital information is not affected by an environmental change, collecting the video signal using such digital signal processing, advantageously, results in improved reliability of the display device. Further, such digital signal processing is less costly as compared to the corresponding high precision analog processing that would be required to obtain the same results. By contrast, Sundahl et al. does not disclose, teach or suggest a novel manner of compensating for deterioration, and which allows a video signal to be corrected using a digital signal processing. However, there is nothing about digital signal processing in the independent claims. In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (See above) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

On page 3, 2nd paragraph of Remarks, Applicant's stated that the arithmetic operation unit (element 33B) of Ishizuka merely adjusts the light adjustment signal for compensating temperature dependency of the light emission characteristics and not for compensating deterioration caused by temperature change. Thus, the arithmetic operation unit (element 33B) of Ishizuka fails to cure the noted deficiencies in Sundahl et al. and fails to teach or suggest arithmetic operation unit of the invention recited in independent claims 1, 7, 13 and 17, as amended. However, Sundahl et al. reference teaching compensating deterioration caused by temperature change by an aging characteristic of the light-emitting element are stored (See figure 3; [0023]. In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986)..